



**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE**  
**(Modified) PATENT AND TRADEMARK OFFICE**

~~ATTY.~~ DOCKET NO.  
326

**SERIAL NO.**  
**09/651.140**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use several sheets if necessary)**

**APPLICANT:** Lars Friedrich

FILING DATE: 08/31/09 RE GROUP: Unassigned

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## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

**OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)**

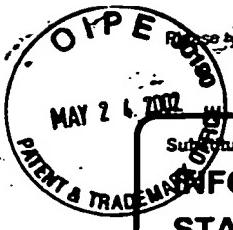
A. M. Hill, et al., "Nonlinear Crosstalk Due to Stimulated Raman Scattering in a Two-Channel Wavelength-Division-Multiplexed System", Electronics Letters, Vol. 20, No. 6, 1984

**EXAMINER**

**DATE CONSIDERED**

9/16/03

**EXAMINER:** Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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PTO/SB/08A (08-02)

PTO-9020A (08-08)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

<i>Complete if Known</i>	
Application Number	09/651,140
Filing Date	August 30, 2000
First Named Inventor	Wenbin Jiang
Group Art Unit	2633
Examiner Name	Unassigned
Attorney Docket Number	3918P002XX1

**U.S. PATENT DOCUMENTS**

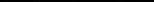
Examiner Initials*	Cite No.*	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
AB		3,870,396		Racki, et al.	03-11-1975	
AB		4,229,067		Love	10-21-1980	
AB		4,419,072		Smith, et al.	04-10-1979	
AB		5,519,190		Hohberg, et al.	10-27-1992	
AB		5,337,396		Chen, et al.	08-09-1994	
AB		5,462,630		Lebby, et al.	07-11-1995	RECE
SP		5,473,715		Schofield, et al.	12-05-1995	MAY 2
AB		5,475,783		Kurashima	12-12-1995	
AB		5,528,408		McGinley, et al.	06-18-1996	Technology C
AB		5,537,391		Lebby	08-09-1994	
AB		5,546,281		Poplawski, et al.	08-13-1996	
AB		5,708,743		DeAndrea, et al.	01-13-1998	
AB		5,717,533		Poplawski, et al.	02-10-1998	
AB		5,734,558		Poplawski, et al.	03-31-1998	
AB		5,774,614		Gilliland, et al.	03-30-1998	
AB		5,778,127		Gilliland, et al.	07-07-1998	
AB		5,812,582		Gilliland, et al.	09-22-1998	
AB		5,812,717		Gilliland, et al.	09-29-1998	
AB		5,864,468		Poplawski, et al.	01-26-1999	
AB		5,879,173		Poplawski, et al.	03-09-1999	

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## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered	9/18/03
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

\*Unique citation designation number. \*See attached Kinds of U.S. Patent Documents. \*Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). \*For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the

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Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet

2

of

2

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Group Art Unit	2633
Examiner Name	Unassigned
Attorney Docket Number	3918P002XX1

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**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AB		R.T. CHEN and P.S. GULFOYLE (Eds.) Optoelectronic Interconnects and Packaging, Critical Reviews, Vol. CR62 (1996), Pgs. 48-63, 64-67, 229-243, 393-404, 405-414, 442-460, Spie Optical Engineering Press, Washington	
AB		R.G. HUNSPERGER, Integrated Optics: Theory and Technology (2nd Ed.), 1985, Pgs. 89-106, 236-245, Springer-Verlag Berlin Heidelberg, Germany	
AB		A. CHATAK and K. THYAGARAJAN, Introduction to Fiber Optics, 1998, Pgs. 411-413, 447-449, 467-473, Cambridge University Press, United Kingdom	
AB		R.C. DORF, Electrical Engineering Handbook, 1993, Pgs. 1682-1684, CRC Press, Inc., Florida	

Examiner Signature	ABellis	Date Considered	9/16/03
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<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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**ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18  
 Stylesheet Version v18.0

<b>Title of Invention</b>	Method and Apparatus for Parallel Optical Interconnection of Fiber Optic Transmitters, Receivers and Transceivers						
Application Number:	09/651140 *09/651140*						
Confirmation Number:	1297						
First Named Applicant:	Wenbin Jiang						
Attorney Docket Number:	3918P002XX1						
Art Unit:	2633						
Examiner:	Agustin Bella						
Search string:	( 6024500 or 6213651 or 6369924 or 6457875 ).pn.						
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
<b>init</b>	<b>Cite.No.</b>	<b>Patent No.</b>	<b>Date</b>	<b>Patentee</b>	<b>Kind</b>	<b>Class</b>	<b>Subclass</b>
	1	6024500	2000-02-15	Wolf,			
	2	6213651	2001-04-10	Jiang, , et al.			
	3	6369924	2002-04-09	Scharf, , et al.			
	4	6457875	2002-10-01	Kropp, , et al.			
<b>Signature</b>							
<b>Examiner Name</b>				<b>Date</b>			
<i>Bella</i>				4/12/05			



INFORMATION DISCLOSURE STATEMENT BY APPLICANT		RECEIVED U.S. PATENT & TRADEMARK OFFICE [Circular Stamp]	
(Use as many sheets as necessary.)		complete if Known	
		Applicant Number	09/651,140
		Filing Date	08/30/00
		First Named Inventor	Wenbin Jiang
		Group Art Unit	2633
		Examiner Name	
Sheet	1	of	1
		Attorney Docket Number	
		003918.P002X&t C 0 5	

## U.S. PATENT DOCUMENTS

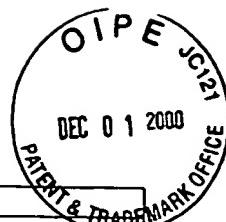
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Exam. Initials	Document Number	Date	Name	Class	Sub- class	Filing Date (if appropriate)
AB	3,792,284	02/12/74	Kaelin			
AB	3,809,908	05/07/74	Clanton			
AB	3,976,877	08/24/76	Thillays			
AB	4,149,072	04/10/79	Smith, et al.			
AB	4,161,650	07/17/79	Caouette, et al.			
AB	4,273,413	06/16/81	Bendikens, et al.			
AB	4,347,655	09/07/82	Zory, et al.			
AB	4,432,604	02/21/84	Schwab			
AB	4,446,515	05/01/84	Sauer, et al.			
AB	4,449,244	05/15/84	Kopainsky			
AB	4,461,537	07/24/84	Raymer, II, et al.			
AB	4,493,113	01/08/85	Forrest, et al.			
AB	4,533,209	08/06/85	Segerson, et al.			
AB	4,534,616	08/13/85	Bowen, et al.			
AB	4,535,233	08/13/85	Abraham			
AB	4,539,476	09/03/85	Donuma, et al.			
AB	4,542,076	09/17/85	Bednarz, et al.			
AB	4,549,782	10/29/85	Miller			
AB	4,549,783	10/29/85	Schmachtenberg, III			
AB	4,553,811	11/19/85	Becker, deceased et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Signature	Belly	Date Considered	9/16/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Complete if Known	
(Use as many sheets as necessary.)		Application Number	09/651,140
		Filing Date	08/30/00
		First Named Inventor	Wenbin Jiang
		Group Art Unit	2633
		Examiner Name	
		Attorney Docket Number	003918.P002XX1
Sheet	X	of	Docket No. 05

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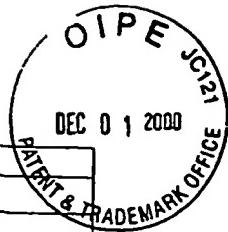
## U.S. PATENT DOCUMENTS

SEARCHED - PERTINENT DOCUMENTS							
Exam. Initials		Document Number	Date	Name	Class	Sub- class	Filing Date (if appropriate)
90		4,580,295	04/01/86	Richman			
AB		4,595,839	06/17/86	Braun, et al.			
AB		4,612,670	09/16/86	Henderson			
AB		4,625,333	11/25/86	Takezawa, et al.			
AB		4,647,148	03/03/87	Katagiri			
AB		4,720,630	01/19/88	Takeuchi, et al.			
AB		4,727,248	02/23/88	Meur, et al.			
AB		4,678,264	07/07/87	Bowen, et al.			
AB		4,807,955	02/28/89	Ashman, et al.			
AB		4,840,451	06/20/89	Sampson, et al.			
AB		4,844,581	07/04/89	Turner			
AB		4,881,789	11/21/89	Levinson			
AB		4,897,711	1/30/90	Blonder, et al.			
AB		4,913,511	04/03/90	Tabalba, et al.			
AB		4,945,229	07/31/90	Daly, et al.			
AB		4,979,787	12/25/90	Lichtenberger			
AB		4,986,625	01/22/91	Yamada, et al.			
AB		5,005,939	04/09/91	Arvanitakis, et al.			
AB		5,011,246	04/30/91	Corradetti, et al.			
AB		5,039,194	08/13/91	Block, et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Signature	<i>A. Bell</i>	Date Considered	9/16/03
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Substitute for Form 1449A/PTO		PATENT & TRADEMARKS Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	09/651,140
(Use as many sheets as necessary.)		Filing Date	08/30/00
		First Named Inventor	Wenbin Jiang
		Group Art Unit	2633
		Examiner Name	<b>RECEIVED</b>
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		Attorney Docket Number	
		003918.P002XX1	
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## U.S. PATENT DOCUMENTS

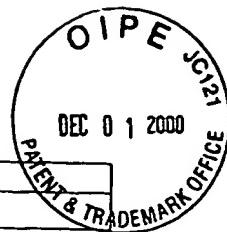
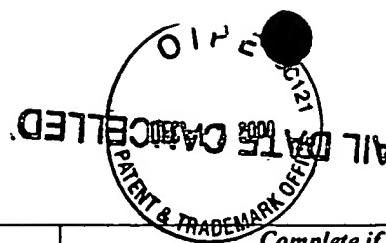
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Exam. Initials	Document Number	Date	Name	Class	Sub- class	Filing Date (if appropriate)
AB	5,043,775	08/27/91	Lee			
AB	5,093,879	03/03/92	Bregman, et al.			
AB	5,099,307	03/24/92	Go, et al.			
AB	5,104,243	04/14/92	Harding			
AB	5,109,453	04/28/92	Edwards, et al.			
AB	5,117,476	05/26/92	Yingst, et al.			
AB	5,122,893	06/16/92	Tolbert			
AB	5,136,152	08/04/92	Lee			
AB	5,155,786	10/13/92	Ecker, et al.			
AB	5,168,537	12/01/92	Rajasekharan, et al.			
AB	5,202,943	04/13/93	Carden, et al.			
AB	5,241,614	08/31/93	Ecker, et al.			
AB	5,259,054	11/02/93	Benzoni, et al.			
AB	5,280,191	01/18/94	Chang			
AB	5,285,512	02/08/94	Duncan, et al.			
AB	5,289,345	02/22/94	Corradetti, et al.			
AB	5,295,214	03/15/94	Card, et al.			
AB	5,337,398	08/09/94	Benzoni, et al.			
AB	5,345,524	09/06/94	Lebby, et al.			
AB						

## FOREIGN PATENT DOCUMENTS

Examiner Signature	A. Zellw	Date Considered	9/10/03
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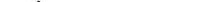
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## U.S. PATENT DOCUMENTS

**Technology Center 2600**

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AB		5,361,244	11/01/94	Nakamura, et al.			
AB		5,337,396	08/09/94	Chen, et al.			
AB		5,414,787	05/09/95	Kurata			
AB		5,416,668	05/16/95	Benzoni			
AB		5,416,870	05/16/95	Chun, et al.			
AB		5,416,871	05/16/95	Takahashi, et al.			
AB		5,416,872	05/16/95	Sizer, II et al.			
AB		5,428,704	06/27/95	Lebby, et al.			
AB		5,432,630	07/11/95	Lebby, et al.			
AB		5,434,747	07/18/95	Shibata			
AB		5,446,814	08/29/95	Kuo, et al.			
AB		5,452,387	09/19/95	Chun, et al.			
AB		5,455,703	10/03/95	Duncan, et al.			
AB		5,482,658	01/09/96	Lebby, et al.			
AB		5,499,311	03/12/96	DeCusatis			
AB		5,499,312	03/12/96	Hahn, et al.			
AB		5,535,296	07/09/96	Uchida			
AB		5,548,677	08/20/96	Kakii, et al.			
AB		5,550,941	08/27/96	Lebby, et al.			
AB		5,561,727	10/01/96	Akita, et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	9/16/03
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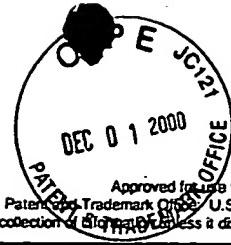
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/651,140
(Use as many sheets as necessary.)		Filing Date	08/30/00
Sheet	X 5	First Named Inventor	Wenbin Jiang
	of 6 X	Group Art Unit	2633 UCC 05 2000
		Examiner Name	Technology Center 2600
		Attorney Docket Number	003918.P002XX1

## U.S. PATENT DOCUMENTS

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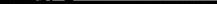
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				Group Art Unit	2633
				Examiner Name	Not Assigned
				Attorney Docket Number	003918.P002XX Technology Center 2600
Sheet	10	of	16	RECEIVED DEC 05 2000	

**OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)**

Exam. Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>AB</i>		BUCZYNSKI, et al., Fast Optical Thresholding with an Array of Optoelectronic Transceiver Elements, IEEE Photonics Technology Letters, Vol. 11, No. 3, March 1999.
<i>AB</i>		HEINRICH, et al., Low-Cost VCSEL-Transceiver Module for Optical Data Busses, IEEE, 1997.
<i>AB</i>		ROSINSKI, et al., Multichannel Transmission of a Multicore Fiber Coupled with Vertical-Cavity Surface-Emitting Lasers, Journal of Lightwave Tech., Vol 17, No 5, May 1999.
<i>AB</i>		CROW, et al., The Jitney Parallel Optical Interconnect, 1996 Electronic Components and Technology Conference.

Examiner Signature		Date Considered	9/16/03
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